

*question Examples, Part 1WhatHappens/code

Sunday, October 16, 2022 4:55 PM

Question

- Given the spreadsheet setup shown, what value is displayed in the message box when the **WhatHappens** subroutine is executed and the user inputs 4 into the input box? The underscore (" _") just denotes that the line is continued on the next line.

1	-6	8	-1
2	3	5	0
3	-4	9	-1
4	10	6	-7
5	-2	7	-3
6	-9	1	-6
7	-9	-7	-8

✓ Correct

- Correct! **Range("B2:D3")** returns the number of items in that range, which is 6; **ActiveCell** returns -4; **Cells(5,2)** refers to cell **B5**, which is 7; and 4 is entered into the input box. Therefore, the result is $6 * (-4) + 7 * 4 = 4$.

'Given the spreadsheet setup shown, what value is displayed in the
'message box when the WhatHappens subroutine is executed and the user
'inputs 4 into the input box?

```
Sub test()  
MsgBox Range("b2:d3").Count  
'count # of cells in this region 6  
End Sub
```

```
Sub test2()  
MsgBox Range("b2:d3").Count * ActiveCell  
' 6 * -4 = -24  
End Sub
```

- Sub test3()
'cells counts 5 rows down and two col to the right which is
'B5=7
MsgBox Cells(5, 2)
End Sub

```
Sub test4()  
MsgBox Range("b2:d3").Count * ActiveCell + Cells(5, 2)  
' 6 * -4 + 7 = -17  
End Sub
```

```
Sub WhatHappens()  
'Question says user enters 4 so  
' 6 * -4 + 7 * 4 = 4  
MsgBox Range("b2:d3").Count * ActiveCell + Cells(5, 2) * InputBox("Enter a number:")  
End Sub
```

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